

CLAIMS

1. A ceramic heater comprising: a ceramic substrate; and a resistance heating element formed on the surface of said ceramic substrate or inside said ceramic substrate, said ceramic substrate being equipped with a through hole,
5 wherein the wall face of said through hole has a surface roughness of $R_{max} = 0.05$ to $200 \mu m$ based on JIS B 0601.
- 10 2. The ceramic heater according to claim 1,
wherein said ceramic substrate is in a disc-shape.
3. The ceramic heater according to claim 1 or 2,
wherein said ceramic substrate is a carbide ceramic or
15 a nitride ceramic.
4. The ceramic heater according to claim 1 or 2,
wherein the thickness of said ceramic substrate is 50 mm
or less.